

WHAT IS CLAIMED IS

1. A data transmission device adapted to mount to a wrist exerciser for transmitting exercising data from the wrist exerciser to an external device, the data transmission device comprising:
 - a transmitter unit coupled to a casing of the wrist exerciser and comprising a sensor for detecting rotational speed of a rotor rotatably supported inside the casing of the wrist exerciser and issuing a detection signal, and a processing circuit receiving and processing the detection signal to provide an output of the exercising data; and
 - a transmission cable having a first end connectable with the output of the processing circuit to receive the exercising data and a second end engageable with a counterpart device of the external device for forwarding the exercising data to the external device.
2. The data transmission device as claimed in Claim 1, wherein the sensor comprises a photo-electrical detection device.
3. The data transmission device as claimed in Claim 1, wherein the casing of the wrist exerciser forms an opening having a flange and wherein the transmitter unit forms a pair of resilient arms having barbed ends engageable with the flange to couple the transmitter unit to the casing.
4. The data transmission device as claimed in Claim 1, wherein the processing circuit comprises:
 - a microprocessor having a first input connected to the sensor to receive the detection signal and a first output that supplies an intermediate signal; and
 - interface means having a second input connected to the first output for receiving and processing the intermediate signal and generating the exercising data at a second output of the interface means.
5. The data transmission device as claimed in Claim 4, wherein the interface means comprises a universal serial bus (USB) based interface.

6. The data transmission device as claimed in Claim 4, wherein the interface means comprises an RS232 based interface.
7. The data transmission device as claimed in Claim 4, wherein the second output of the interface means forms an electrical connector engageable with a mating electrical connector formed on the first end of the transmission cable.
8. The data transmission device as claimed in Claim 7, wherein the electrical connector comprises a mini-USB connector.
9. The data transmission device as claimed in Claim 1, wherein the second end of the transmission cable forms a USB connector.
10. The data transmission device as claimed in Claim 1, wherein the first end of the transmission cable forms an electrical connector.
11. The data transmission device as claimed in Claim 10, wherein the electrical connector comprises a mini-USB connector.